

Liquid Effluent Monitoring Results

Half Yearly Range (January -2023 to June-2023)

Source: Sample taken from inlet to Balancing Pond (KRIBHCO)

Sr. No.	Parameter	Units	GPCB Limits	Results
1	pH		6.5 - 8.5	6.7 - 8.0
2	Suspended Soilds	mg/l	100	02 - 38
3	Oil & Grease	mg/l	10	02 - 07
4	Total Dissolved Solids	mg/l	2100	980 - 2056
5	Phenolic Compounds	mg/l	1	NT
6	Shulphides	mg/l	0.5	NT
7	Ammonical Nitrogen	mg/l	50	0.34 - 39
8	Total Chromium	mg/l	1	NT
9	Hexavalent Chromium	mg/l	0.1	NT
10	BOD(3days at 27 °c)	mg/l	30	02 - 07
11	Chemical Oxygen Demand(COD)	mg/l	100	14 - 42
12	Chlorides	mg/l	600	160 - 354
13	Sulphates	mg/l	1000	126 - 372
14	Temperarure	°c	40	25 - 29
15	Colour (Pt.Co.Scal)	Unit	100	03 - 07
16	Copper Total (as Cu)	mg/l	1	NT
17	Iron Total (as Fe)	mg/l	1	0.38 - 0.6
18	Zinc (as Zn)	mg/l	1 *	0.4 - 0.76
19	Phosphate (as P)	mg/l	5	1.0 - 1.83

Note: There is no discharge from final discharge point of balancing pond since year 2003 confirming to Zero Liquid Discharge (ZLD) from final outlet of discharge point.

IP camera with PAN, TILT, Zoom, 5x focal length with night vision capability and flow meters in channel/drains have been provided.

* The limit for Zinc parameter has been given as 1.0 ppm. Request letter for correction in the limit of Zinc parameter to 5.0 ppm has been submitted to GPCB and reply is awaited.




S. K. Mohapatra

Joint General Manager (Technical)
KRISHAK BHARATI CO-OPERATIV LIMITED
SURAT

STACK EMISSION MONITORING RESULT

Half Yearly Range (January -2023 to June-2023)

Parameter	FURNACE (PRIMARY REFORMER STACK)				FURNACE (PRIMARY REFORMER STACK)				STEAM BOILER STACK				GAS TURBINE STACK				PRILLING TOWER			
	AMMONIA PLANT-I				AMMONIA PLANT-II												UREA PLANT-I		UREA PLANT-II	
	CO ppm	NO _x mg/Nm ³ at 3% O ₂	SO ₂ ppm	GPCB Limits	CO ppm	NO _x mg/Nm ³ at 3% O ₂	SO ₂ ppm	GPCB Limits	CO ppm	NO _x ppm	SO ₂ ppm	GPCB Limits	CO ppm	NO _x ppm	SO ₂ ppm	GPCB Limits	PM mg/Nm ³	NH ₃ mg/Nm ³	PM mg/Nm ³	NH ₃ mg/Nm ³
Minimum	1.0	105	<5	100	1.0	130	<5	100	6.0	57	<5	100	5.0	12	<5	23	26	24	20	
Maximum	3.0	173	<5	100	3.0	187	<5	100	6.0	57	<5	100	9.0	32	<5	37	38	31	36	


S. K. Mohapatra
 Joint General Manager (Technical)
 KRISHAK BHARATI CO-OPERATIVE LIMITED
 SURAT

AMBIENT AIR QUALITY MONITORING RESULTS IN THE VICINITY OF KRIBHCO COMPLEX

Half Yearly Range (January -2023 to June-2023)

Parameter	GPCB Limit Microgram/m ³	KRIBHCO		HAEP PLANT		BHATLAI VILLAGE		ICHCHAPORE VILLAGE		PIPLOD VILLAGE		DUMAS VILLAGE	
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
PM10	100	48	58	47	56	44	56	46	55	42	53	44	51
PM2.5	60	18	28	17	27	14	26	16	25	14	23	14	21
SO2	80	8	12	8	13	8	18	9	15	8	15	9	13
NOX	80	11	15	10	14	10	16	10	13	9	16	9	15
NH3	400	10	18	8	15	7	12	8	14	8	13	8	11



S. K. Mohapatra
 Joint General Manager (Technical)
 KRISHAK BHARATI CO-OPERATIV LIMITED
 SURAT